

CS 311 Data Structures and Algorithms, Fall 2009
Quiz 7 Solutions

Quiz 7 was given in class on Wednesday, October 28, 2009.

1. [3 pts total] **The Best Guarantee.**

1a. [1.5 pts] Which “guarantee” does Johnson say we should prefer?

He says we should prefer the Strong Guarantee.

1b. [1.5 pts] What does this guarantee state? (*Summarize/paraphrase, if you want.*)

It says that, if a function throws an exception, then it has no visible side effects. In short, a function either performs its task successfully, or else it does nothing.

2. [2 pts] A non-const member function should not return ... what?

A non-const member function should not return **an object by value**.